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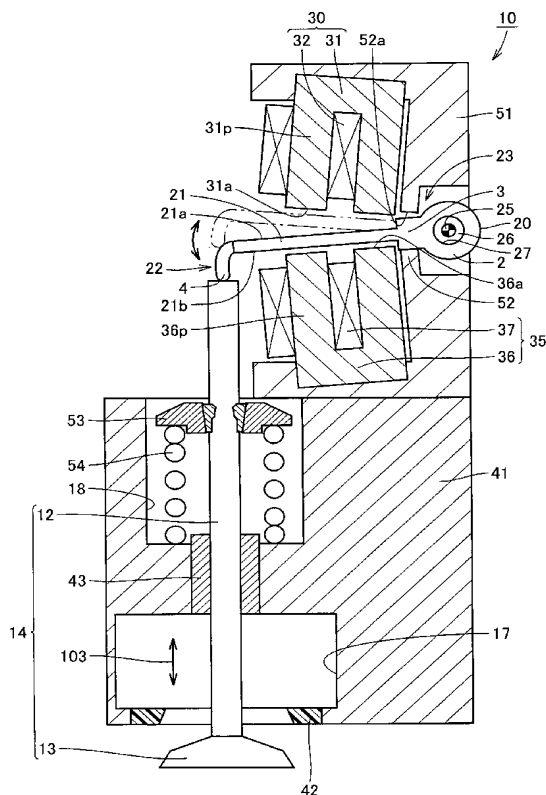
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(54) Title: ELECTROMAGNETICALLY DRIVEN VALVE



(57) Abstract: An electromagnetically driven valve (10) includes a driven valve (14) having a stem (12) and carrying out reciprocating motion along a direction in which the stem (12) extends, a disc support base (51) having an abutment surface (52a), a disc (20) extending from one end (22) coupled to the stem (12) toward the other end (23) supported by the disc support base (51) so as to allow free oscillation of the disc, and an electromagnet (30, 35) applying electromagnetic force to the disc (20). The disc (20) has a root portion (3) formed at the other end (23), and an arm portion (21) formed from the root portion (3) to one end (22). The electromagnet (30, 35) has a surface (31a, 36a) facing the arm portion (21). When the disc (20) is attracted to the electromagnet (30, 35), the abutment surface (52a) abuts on the root portion (3) and a gap is created between the surface (31a, 36a) and the arm portion (21). With such a structure, excellent quietness and durability can be achieved and energy loss can be reduced.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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